——*Ubi Languidus ignis inerrat*
Ædibus, & tenuem volvunt Hypocauſta vaporem.

Of the Terrace *Argol* has theſe words: *Teſtudines ſunt pavimenta ſub quibus Fornax ardet.*

P. S. By the way, I take the word Stove to be derived from *Æſtus*, quaſi *Æſtuvium*: there wanting hitherto a probable Etymon.

III. *A Letter from Dr* William Muſgrave, *Fellow of the College of Phyſicians, and R. S. to Dr* Hans Sloane, *R. S. Secr. concerning the* Jaundice, *occaſioned by a Stone obſtructing the* Ductus communis bilarius, *which was afterwards voided by Stool.*

SIR,

BEing of late at *Cliſton*, in *Dorſetſhire*, the Seat of Mr *Harvey*, Nephew to the Celebrated Phyſician of that Name, I was there ſhewn a Curioſity, which I thought remarkable, and may perhaps be worthy your notice.

It is a *Stone*, that Gentleman voided, ſome years ſince, by Stool; and which he repreſented to me, as having come from the *Ductus communis bilarius*: But the Largeneſs of it is ſuch, as made the latter part of the account ſeem, at firſt hearing, ſomewhat dubious.

The Figure of this *Stone* is Oval; the Length almoſt an Inch; the Breadth, (or ſhorteſt Diameter) $\frac{7}{10}$ of an Inch: It weighed 59 Grains, when I ſaw it; but, at its coming off, was (as I am inform'd) above a Dram in weight:

Some

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Some part of it being, by frequent handling, rubb'd away. The Surface rough, unequal, divided into ſeveral little Riſings, each about the ſize of half a Vetch, or ſomewhat leſs.

You have in *Fig.* 7. Y. Z. The Proportions exactly drawn.

The many ſtrong annular Fibres, which appear not only at the Orifice, where the *Ductus communis* opens into the *Duodenum*; but alſo all along the oblique paſſage, of that *Ductus*, betweeen the Coats of the Inteſtine, (which paſſage is, according to Dr *Gliſſon*'s meaſure, about half an inch in length) do, by way of Sphincter, keep this end of the *Ductus communis* very ſtrait and cloſe. And beſides this ſtraitneſs of the *Ductus*, the two Oblique Inſertions, it makes at ſome diſtance from one another, thro' the two outer Coats of the *Duodenum*, render it yet more difficult, for a ſubſtance of any Bulk, to paſs this way. So that, however great Stones may be generated in the Gall-Bladder, *Ductus Cyſticus*, *Hepaticus*, or *Communis*, it is not eaſy to conceive, How a Stone of the Magnitude here deſcrib'd, could poſſibly, through a paſſage of itſelf ſo very narrow, ſtrait, and difficult, be conveyed into the *Duodenum*.

From theſe Conſiderations, I was extreamly deſirous to hear, what could be ſaid, to Prove, That this *Stone* was not form'd in the *Fiſtula alimentaris*, but (large, as now it is) came this way into it. In anſwer to which Inquiry, the Gentleman was pleas'd to let me know,

That, before the Diſcharge of this *Stone*, He had the *Jaundice*; which came ſuddenly on him, and continued ſeveral months, in a ſevere, and moſt exceſſive manner.

That this *Jaundice*, beſide the diſcolouring of his Urine and Skin, to a very great degree; beſide Loſs of Appetite, Faintneſs, and many other Symptoms, uſual in this Diſtemper; was alſo accompanyed with a Pain (in, or) near the Stomach.

That

That, during this *Jaundice*, his Stools were of a white colour, as having very little, or no Mixture of Choler in them.

That, Travelling under theſe circumſtances, more eſpecially with a conſtant Pain, (as before mention'd,) in his Coach from *London* to *Clifton*; and, after a little time, to *Bath*; he found, a little after his Arrival at *Bath*, this *Stone* come off by Stool; and, together with it, almoſt a Spoonful of *Gravelly Matter*; and a conſiderable qnantity of Choler, as appear'd from the yellowneſs of the Stools: All which happen'd ſo ſoon after he came to *Bath*, as Evidently to prove, the Diſcharge of both [Choler and Stone] to proceed from the motion of the Coach.

That his deliverance, from the *Jaundice*, commenc'd from the Expulſion of this Stone: For, ſoon after that, the Colour of the Skin and Urine, indeed all the ill Symptoms vaniſh'd; and, in a very little time, (Weakneſs only excepted) He recovered.

Theſe Propoſitions, put together, make a conſiderable Argument, That the Orifice of the *Ductus communis* (how ſtrait, and how ſtrong ſoever) was, in this Gentleman, ſo far dilated, as to give way to the *Stone*, here deſcribed; that is, dilated to a Circle, in Diameter $\frac{7}{10}$ of an Inch, in Circumference one whole Inch and $\frac{1}{4}$.

The *Jaundice* is often obſerv'd, to be a moſt ſtubborn Diſtemper; not eaſily yielding to our moſt probable Methods; and many times to none at all. *Riverius* poſitively affirms, That, when it proceeds from a Stone obſtructing the Current of the Choler, it is incurable: Urging this reaſon for his opinion; *Calculus, cum diſſolvi non poſſit, morbum facit incurabilem.* Capite de *Ictero*.

When the *Jaundice* is thus difficult of Cure, eſpecially when there is a probability (whether from a Pain fixt in, or near the Region of the Liver, or from any good Argument whatſoever) That it ariſes from the Cauſe now mentioned; rather than to Beat over the ſame ground to

no

no purpoſe, or other ground equally improbable; it may not be amiſs, to adviſe Exerciſe on Horſeback, in Coach, or any other ſuch way, as ſhall be likely to diſlodge the *Stone*, and bring it off.

But, to make this Exerciſe effectual, it ought to be Violent, as the Patient can well bear it; and in ſuch manner, as may, by much agitation of the Body, be moſt conducing to the Deſign in hand.

The Hiſtory, here mentioned, does ſufficiently recommend this *Gymnaſtic Courſe*; as capable of relieving, in ſome Caſes of the *Jaundice*, when the beſt methods of Phyſick (for ſuch we ought to ſuppoſe this Gentlemen had preſcrib'd himſelf) fail of ſucceſs.

Exon. Feb. 23. 1705-6.

IV. *Part of a Letter from Mr* Ralph Thoresby, *F. R. S. giving a farther Account of an Eruption of Waters in* Craven.

IN *Philoſ. Tranſact.* Number 245, is regiſter'd the Vicar of *Kildnick*'s Letter, which gives an account of an extraordinary Eruption of Water in *Craven*. I was lately enquiring further concerning it, of one that is now my Tenant and Neighbour; and am not only fully ſatisfied of the Truth of what the ſaid Mr *Pollard* affirms, but alſo that, as he conjectures, a great part of the Land is not to this day recover'd from the Sand and Stones, though a great number of People were employed about it. Upon the *opening of the Rock*, at the foot of which the Town of *Starbotham* ſtands, the Water guſhed out in ſo vaſt a quantity, as if it would have ſwept away the whole Town:

Tab : 1.

f : 7.

f : 5.

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Fig : 1.

Tab : 2

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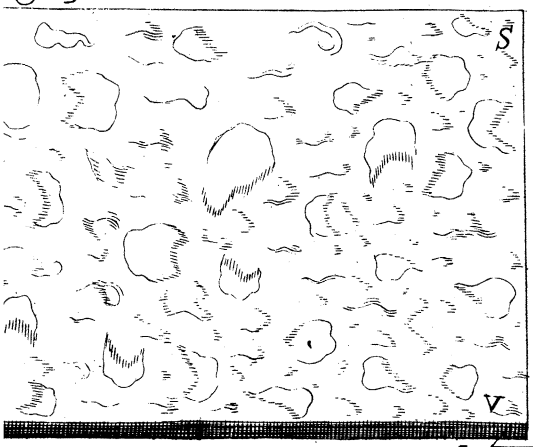
f: 5.



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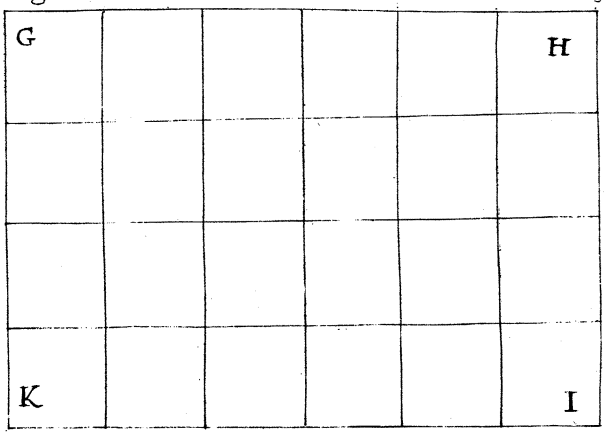

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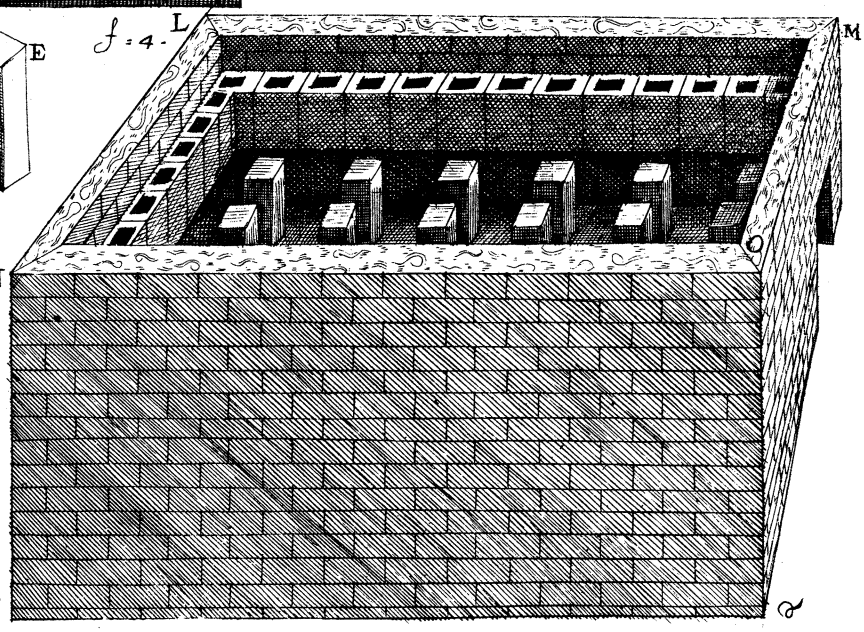

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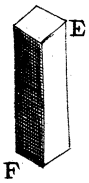

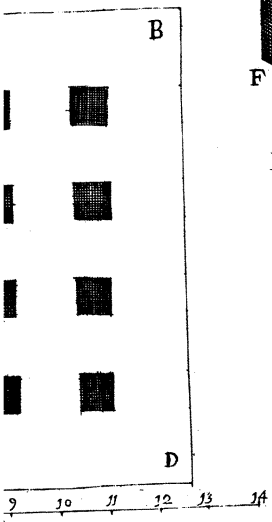

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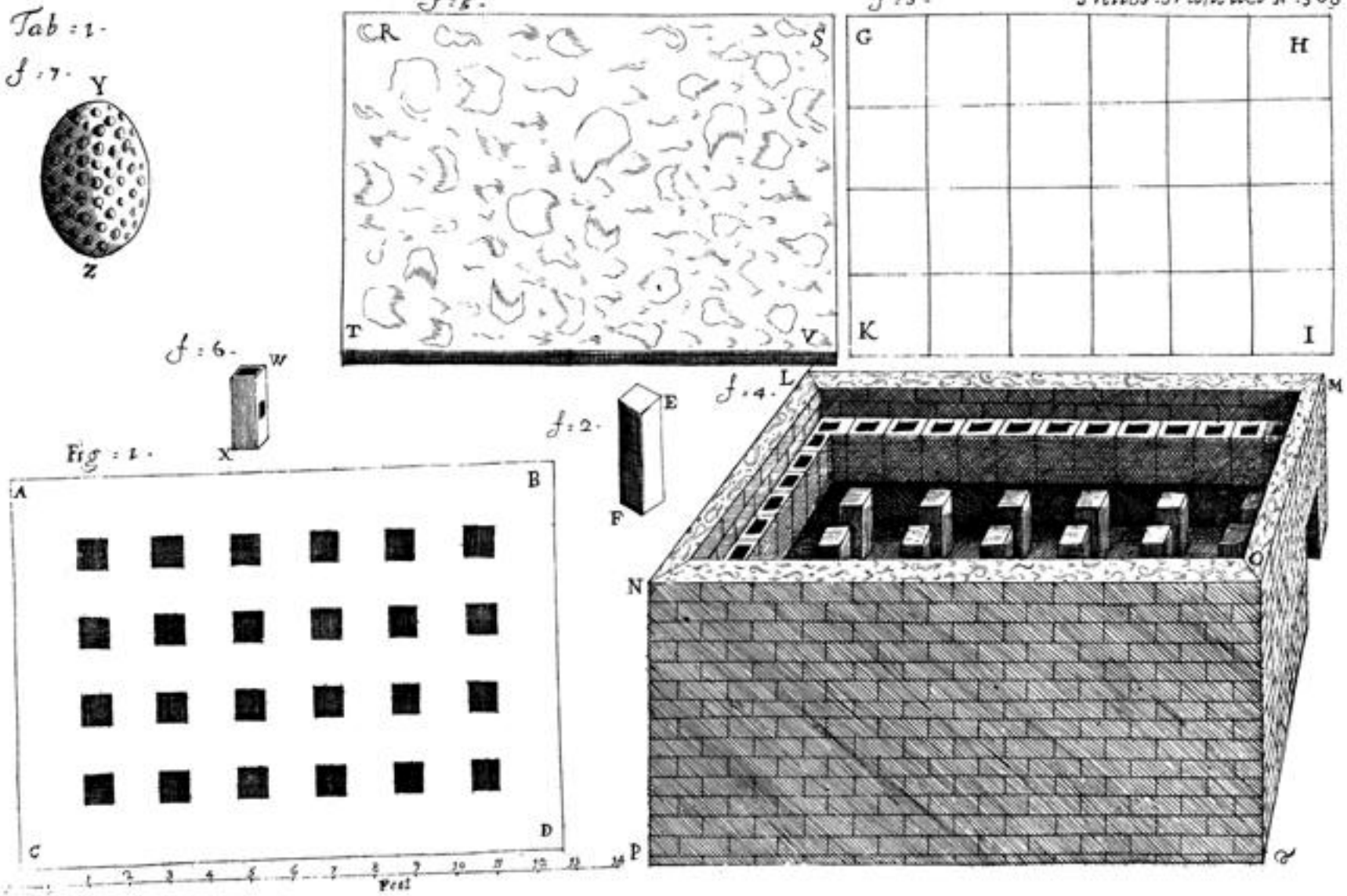

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